



Water-Data Report 2008

08084800 California Creek near Stamford, TX

Middle Brazos-Clear Fork Basin
Paint Subbasin

LOCATION.--Lat 32°55'51", long 99°38'32" referenced to North American Datum of 1927, Jones County, TX, Hydrologic Unit 12060103, near right bank at downstream side of bridge on Farm Road 142, 6.0 mi northeast of Avoca, 9.0 mi east of Stamford, and 19.4 mi upstream from Paint Creek.

DRAINAGE AREA.--478 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1962 to current year. Water-quality records: Chemical data: Oct. 1962 to Sept. 1979. Biochemical data: Oct. 1962 to Sept. 1973. Specific conductance: Oct. 1962 to Sept. 1979. Water temperature: Oct. 1962 to Sept. 1979.

REVISED RECORDS.--WSP 2122: 1965. WDR TX-76-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,470 ft above NGVD of 1929, from topographic map. Satellite telemeter at station.

REMARKS.--Records good. No known regulation. There are three small diversions upstream from station. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1897, 29.6 ft, present datum, on June 10, 1962, from floodmark; second highest flood in July 1961 (stage unknown); third highest flood in May 1957 (stage unknown) was about equal to flood on June 24, 1915; flood of Sept. 1962 reached a stage of 28.1 ft, present datum, from information by local residents. Another large flood is reported to have occurred in June 1909.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 476 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 25	1830	1,190	16.24
May 30	0600	1,350	16.99
Jun 21	0200	2,060	*19.91

Water-Data Report 2008

08084800 California Creek near Stamford, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.4	3.4	4.1	3.8	3.5	3.1	3.5	17	106	6.2	1.2	1.7
2	8.6	3.6	4.0	3.7	3.4	3.2	3.2	12	43	5.3	1.2	1.4
3	9.0	3.6	3.7	3.7	3.5	3.3	3.2	7.4	29	4.7	1.1	1.1
4	8.6	3.5	3.8	3.8	3.5	3.4	2.9	5.2	24	4.1	0.99	0.92
5	7.3	3.4	3.6	4.0	3.6	3.1	3.0	4.7	21	3.6	0.95	0.66
6	6.9	3.2	3.2	4.0	3.4	3.5	2.6	179	20	3.3	1.0	0.15
7	6.2	3.2	3.4	4.2	3.4	3.4	2.5	176	14	3.0	0.90	0.06
8	5.9	3.3	3.5	4.1	3.4	3.1	2.4	93	9.5	2.8	0.81	0.26
9	5.6	3.4	3.5	3.9	3.3	3.1	2.5	38	8.6	2.8	0.57	16
10	5.2	3.3	3.3	3.6	3.2	4.1	3.7	22	8.5	2.6	0.44	90
11	7.9	3.2	3.8	3.7	3.2	3.7	4.2	11	6.7	2.4	1.7	242
12	4.3	3.3	4.2	3.7	3.1	3.9	3.6	6.8	5.6	2.3	1.5	45
13	4.2	3.2	4.6	3.7	3.2	3.4	3.5	5.3	4.9	2.1	1.2	11
14	4.1	3.3	6.8	3.6	3.2	3.2	2.9	5.1	4.8	2.3	0.98	7.0
15	4.0	3.2	5.2	3.6	3.1	3.0	2.6	4.4	4.2	21	1.1	4.3
16	4.1	3.5	4.6	3.4	4.3	3.0	2.7	3.5	3.7	7.1	1.4	2.4
17	4.1	3.6	4.3	3.3	4.8	3.2	2.9	3.1	3.8	3.7	1.6	1.6
18	3.5	3.6	5.5	3.4	4.0	15	2.5	2.6	4.4	2.7	2.5	1.3
19	3.3	3.6	5.1	3.4	3.8	22	2.3	2.4	4.2	2.1	2.3	1.2
20	3.3	3.4	4.5	3.4	3.7	17	2.0	2.3	1,260	1.8	2.3	1.2
21	3.4	3.2	4.3	3.6	3.4	22	2.0	2.2	1,470	1.6	2.4	1.2
22	3.6	3.7	4.0	3.4	3.4	12	1.9	2.2	184	1.5	2.2	1.0
23	3.4	3.4	3.7	3.4	3.4	7.7	12	2.1	144	1.4	1.9	1.1
24	3.4	3.6	3.8	3.4	3.3	6.1	794	2.5	61	1.4	1.6	1.2
25	4.2	4.2	3.9	3.6	3.3	5.2	1,040	4.2	36	1.3	1.4	1.3
26	3.3	4.9	4.0	3.6	3.1	4.6	606	42	25	1.3	1.2	1.2
27	3.3	4.8	3.9	3.5	3.0	4.3	225	256	16	1.3	1.0	1.1
28	3.4	4.8	4.1	3.7	3.0	4.0	123	450	11	1.2	0.62	0.98
29	3.5	4.4	4.2	3.7	2.9	4.0	49	987	11	1.6	0.28	0.99
30	3.5	4.3	4.1	3.6	---	4.0	26	1,130	8.9	1.6	0.81	1.1
31	3.5	---	4.0	3.4	---	3.9	---	327	---	1.2	1.8	---
Total	154.0	109.1	128.7	112.9	99.4	188.5	2,937.6	3,806.0	3,552.8	101.3	40.95	440.42
Mean	4.97	3.64	4.15	3.64	3.43	6.08	97.9	123	118	3.27	1.32	14.7
Max	9.4	4.9	6.8	4.2	4.8	22	1,040	1,130	1,470	21	2.5	242
Min	3.3	3.2	3.2	3.3	2.9	3.0	1.9	2.1	3.7	1.2	0.28	0.06
Ac-ft	305	216	255	224	197	374	5,830	7,550	7,050	201	81	874
Cfsm	0.01	0.01	0.01	0.01	0.01	0.01	0.20	0.26	0.25	0.01	0.00	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.9	15.2	10.2	9.21	30.5	13.9	22.1	75.8	80.7	23.4	75.9	41.9
Max	481	229	169	84.0	750	132	174	741	546	293	930	575
(WY)	(1987)	(1973)	(1992)	(1968)	(1992)	(1973)	(1985)	(1982)	(2003)	(2002)	(1971)	(1980)
Min	0.00	0.11	0.10	0.08	0.13	0.09	0.25	0.12	0.15	0.00	0.00	0.02
(WY)	(1969)	(1971)	(1965)	(1965)	(2000)	(1966)	(1967)	(2000)	(1976)	(1964)	(1965)	(1968)

08084800 California Creek near Stamford, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2007	Water Year 2008	Water Years 1963 - 2008
Annual total	33,515.60	11,671.67	
Annual mean	91.8	31.9	36.1
Highest annual mean			156
Lowest annual mean			1.95
Highest daily mean	5,040	Aug 20	20,400 Aug 4, 1978
Lowest daily mean	0.17	Feb 26	0.00 Sep 11, 1963
Annual seven-day minimum	0.23	Jan 5	0.00 May 17, 1964
Maximum peak flow		2,060 Jun 20	i40,000 Aug 4, 1978
Maximum peak stage		19.91 Jun 20	a31.00 Aug 4, 1978
Annual runoff (ac-ft)	66,480	23,150	26,190
Annual runoff (cfs^m)	0.192	0.067	0.076
10 percent exceeds	87	20	27
50 percent exceeds	3.8	3.5	2.4
90 percent exceeds	0.35	1.2	0.09

^a From floodmark.ⁱ From field discharge calculation of peak flow.